

Faults:

0X0000 - 04/17/2017 08:13:52.233 - None Found
0X0000 - 04/17/2017 08:18:51.320 - None Found
0X0000 - 04/17/2017 08:21:37.531 - None Found
0X0000 - 04/17/2017 08:23:50.722 - None Found
0X0000 - 04/17/2017 08:25:25.248 - None Found
0X0000 - 04/17/2017 08:26:53.670 - None Found
0X0000 - 04/17/2017 08:28:51.670 - None Found
0X0000 - 04/17/2017 08:30:53.749 - None Found
0X0000 - 04/17/2017 08:32:26.777 - None Found
0X0000 - 04/17/2017 08:44:59.835 - None Found
0X0003 - 04/17/2017 08:46:47.155 - GPS receiver not responding
0X0000 - 04/17/2017 08:48:23.454 - None Found
0X0000 - 04/17/2017 09:14:55.133 - None Found
0X0000 - 04/17/2017 09:45:59.137 - None Found
0X0000 - 04/17/2017 10:29:28.346 - None Found
0X0000 - 04/17/2017 11:38:28.364 - None Found
0X0000 - 04/17/2017 11:42:55.632 - None Found
0X0000 - 04/17/2017 11:46:18.774 - None Found
0X0000 - 04/17/2017 11:47:57.768 - None Found
0X0000 - 04/17/2017 11:50:31.297 - None Found
0X0000 - 04/17/2017 11:53:10.667 - None Found
0X0000 - 04/17/2017 11:56:40.746 - None Found
0X0000 - 04/17/2017 11:58:51.589 - None Found

Warnings:

0X0000 - 04/17/2017 08:13:52.233 - None Found
0X0000 - 04/17/2017 08:18:51.320 - None Found
0X0000 - 04/17/2017 08:21:37.532 - None Found
0X0000 - 04/17/2017 08:23:50.722 - None Found
0X0000 - 04/17/2017 08:25:25.248 - None Found
0X0000 - 04/17/2017 08:26:53.670 - None Found
0X0000 - 04/17/2017 08:28:51.670 - None Found
0X0000 - 04/17/2017 08:30:53.749 - None Found
0X0000 - 04/17/2017 08:32:26.777 - None Found
0X0000 - 04/17/2017 08:44:59.835 - None Found
0X0000 - 04/17/2017 08:46:50.176 - None Found
0X0000 - 04/17/2017 08:48:23.455 - None Found
WARNING,09:00:14.694,0xE505 - 04/17/2017 09:00:14.023 - FID over-range

WARNING,09:00:44.924,0xE505 - 04/17/2017 09:00:44.605 - FID over-range
WARNING,09:01:09.565,0xE505 - 04/17/2017 09:01:09.037 - FID over-range
WARNING,09:06:09.835,0xE505 - 04/17/2017 09:06:09.150 - FID over-range
WARNING,09:06:26.973,0xE505 - 04/17/2017 09:06:26.579 - FID over-range
0X0000 - 04/17/2017 09:14:55.133 - None Found
WARNING,09:26:48.277,0xE505 - 04/17/2017 09:26:48.049 - FID over-range
WARNING,09:27:16.439,0xE505 - 04/17/2017 09:27:16.009 - FID over-range
WARNING,09:33:21.538,0xE505 - 04/17/2017 09:33:21.034 - FID over-range
WARNING,09:33:54.001,0xE505 - 04/17/2017 09:33:53.550 - FID over-range
WARNING,09:36:25.795,0xE505 - 04/17/2017 09:36:25.016 - FID over-range
WARNING,09:42:11.577,0xE505 - 04/17/2017 09:42:11.049 - FID over-range
WARNING,09:42:38.771,0xE505 - 04/17/2017 09:42:38.540 - FID over-range
0X0000 - 04/17/2017 09:45:59.138 - None Found
WARNING,09:50:02.571,0xE505 - 04/17/2017 09:50:02.006 - FID over-range
WARNING,09:50:29.456,0xE505 - 04/17/2017 09:50:29.045 - FID over-range
WARNING,09:50:54.576,0xE505 - 04/17/2017 09:50:54.036 - FID over-range
WARNING,09:54:35.880,0xE505 - 04/17/2017 09:54:35.688 - FID over-range
WARNING,09:59:03.882,0xE505 - 04/17/2017 09:59:03.640 - FID over-range
WARNING,09:59:59.602,0xE505 - 04/17/2017 09:59:59.038 - FID over-range
WARNING,10:00:39.430,0xE505 - 04/17/2017 10:00:39.080 - FID over-range
WARNING,10:00:53.350,0xE505 - 04/17/2017 10:00:53.007 - FID over-range
WARNING,10:01:03.451,0xE505 - 04/17/2017 10:01:03.040 - FID over-range
WARNING,10:04:22.632,0xE505 - 04/17/2017 10:04:22.184 - FID over-range
WARNING,10:06:10.429,0xE505 - 04/17/2017 10:06:10.032 - FID over-range
WARNING,10:06:45.837,0xE505 - 04/17/2017 10:06:45.036 - FID over-range
WARNING,10:10:20.862,0xE505 - 04/17/2017 10:10:20.724 - FID over-range
WARNING,10:11:58.893,0xE505 - 04/17/2017 10:11:58.541 - FID over-range
WARNING,10:12:05.344,0xE505 - 04/17/2017 10:12:05.030 - FID over-range
WARNING,10:14:23.539,0xE505 - 04/17/2017 10:14:23.011 - FID over-range
WARNING,10:19:04.989,0xE505 - 04/17/2017 10:19:04.546 - FID over-range
WARNING,10:25:58.775,0xE505 - 04/17/2017 10:25:58.533 - FID over-range
0X0000 - 04/17/2017 10:29:28.346 - None Found
WARNING,10:31:02.938,0xE505 - 04/17/2017 10:31:02.588 - FID over-range
WARNING,10:32:21.305,0xE505 - 04/17/2017 10:32:21.011 - FID over-range
WARNING,10:32:31.773,0xE505 - 04/17/2017 10:32:31.512 - FID over-range
WARNING,10:33:02.527,0xE505 - 04/17/2017 10:33:02.021 - FID over-range
WARNING,10:35:39.472,0xE505 - 04/17/2017 10:35:39.052 - FID over-range
WARNING,10:35:52.367,0xE505 - 04/17/2017 10:35:52.005 - FID over-range
WARNING,10:38:15.559,0xE505 - 04/17/2017 10:38:15.020 - FID over-range

WARNING,10:38:53.860,0xE505 - 04/17/2017 10:38:53.566 - FID over-range
WARNING,10:39:01.360,0xE505 - 04/17/2017 10:39:01.057 - FID over-range
WARNING,10:43:01.393,0xE505 - 04/17/2017 10:43:01.078 - FID over-range
WARNING,11:14:13.569,0xE505 - 04/17/2017 11:14:13.032 - FID over-range
WARNING,11:15:45.489,0xE505 - 04/17/2017 11:15:45.019 - FID over-range
WARNING,11:16:50.499,0xE505 - 04/17/2017 11:16:50.033 - FID over-range
WARNING,11:17:22.670,0xE505 - 04/17/2017 11:17:22.032 - FID over-range
WARNING,11:20:05.463,0xE505 - 04/17/2017 11:20:05.048 - FID over-range
WARNING,11:25:08.771,0xE505 - 04/17/2017 11:25:07.840 - FID over-range
WARNING,11:28:33.501,0xE505 - 04/17/2017 11:28:33.099 - FID over-range
WARNING,11:29:43.554,0xE505 - 04/17/2017 11:29:42.898 - FID over-range
WARNING,11:30:01.758,0xE505 - 04/17/2017 11:30:01.038 - FID over-range
OX0000 - 04/17/2017 11:38:28.364 - None Found
OX0000 - 04/17/2017 11:42:55.633 - None Found
OX0000 - 04/17/2017 11:46:18.775 - None Found
OX0000 - 04/17/2017 11:47:57.768 - None Found
OX0000 - 04/17/2017 11:50:31.297 - None Found
OX0000 - 04/17/2017 11:53:10.667 - None Found
OX0000 - 04/17/2017 11:56:40.746 - None Found
OX0000 - 04/17/2017 11:58:51.589 - None Found

Post Processor Limits:

Engine Speed Limit (rpm/s),1000.000000
Vehicle Speed Limit (mph/s),21.000000
Fuel Rate Limit (gal/s),0.050000
Reference Torque Limit (lb-ft),10000.000000
Fuel Specific Dropout Limit(% C),0.500000
Brake Specific Dropout Limit (bhp-h),0.005000
FID Range Change Ignore,4

Post Processor Limit Events:

Engine Speed Limit Count,13
Vehicle Speed Limit Count,0
GPS Speed Limit Count,0
Fuel Rate Limit Count,0
Reference Torque Limit Count,0
Fuel Specific Dropout Limit Count,0
Brake Specific Dropout Limit Count,0
FID Range Change Ignore Count,0

External Input Configuration:

,ID,Description,Units,Polynomial Order,x^0,x^1,x^2,x^3,x^4,x^5,x^6,x^7,x^8,x^9
EAI1,,,,,0,0.0000000
EAI2,,,,,0,0.0000000
EAI3,,,,,0,0.0000000

Audit/Span/Zero Information:

Zero

InfoVer,1

Date,4/17/2017

Time,08:13:51

Purge Delay,30

Gas Path,Zero

Gas,Previous,Current,Difference

CO(ppm),-50.000000,-10.000000,-40.000000

CO2(%),0.070000,0.000000,0.070000

NO(ppm),13.800000,5.580000,8.220000

NO2(ppm),10.743750,-0.260000,11.003750

THC(ppmC),6.000000,1.600000,4.400000

Span

InfoVer,1

Date,4/17/2017

Time,08:18:51

Purge Delay,30

Gas Path,Span

,CO,CO2,O2,HC,NO,NO2,CH4,THC,LoCO

Bottle Values,1310.000,13.000000,20.900,1992.000,1771.000,255.800,0.000,246.667,0.000

Gas,Previous,Current,Difference

CO(ppm),1320.000000,1306.000000,14.000000

CO2(%),13.408125,13.014000,0.394125

NO(ppm),1861.031250,1771.260000,89.771250

THC(ppmC),246.856250,245.893333,0.962917

Span

InfoVer,1

Date,4/17/2017

Time,08:21:37

Purge Delay,30

Gas Path,Span

,CO,CO2,O2,HC,NO,NO2,CH4,THC,LoCO

Bottle Values,1310.000,13.000000,20.900,1992.000,1771.000,255.800,0.000,246.667,0.000

Gas,Previous,Current,Difference

NO2 (ppm),247.887500,255.206667,-7.319167

Audit

Date,4/17/2017

Time,08:23:50

Audit Duration,30

Idle Duration,15

Audit Path,Span

Idle Path,Ambient Air

Gas,Bottle,Tol,%Tol

CO (ppm),303.000000,50.000000,3.000000

CO2 (%),5.110000,0.200000,3.000000

O2 (%),20.900000,0.500000,3.000000

HC (ppmC3),0.000000,8.000000,3.000000

NO (ppm),294.700000,15.000000,3.000000

NO2 (ppm),68.000000,12.000000,3.000000

CH4 (ppm),0.000000,0.000000,0.000000

THC (ppmC3),77.820000,6.000000,3.000000

Gas,Bottle,Mean Value,Std Dev,Result

CO(ppm),303.000000,301.333333,3.518658,Passed

CO2(%),5.110000,4.776667,0.008165,Failed

O2(%),20.900000,10.000000,0.000000,Not Selected

HC(ppmC3),0.000000,500.000000,0.000000,Not Selected

NO(ppm),294.700000,283.326667,0.208624,Passed

NO2 (ppm),68.000000,100.000000,0.000000,Not Selected

CH4 (ppm),0.000000,0.000000,0.000000,Not Selected

THC (ppmC),77.820000,71.855556,1.891781,Passed

Zero

InfoVer,1

Date,4/17/2017

Time,08:25:24

Purge Delay,30

Gas Path,Zero

Gas,Previous,Current,Difference

CO(ppm),-9.375000,-4.000000,-5.375000

CO2 (%),-0.150000,0.000000,-0.150000

Audit

Date,4/17/2017

Time,08:26:53

Audit Duration,30

Idle Duration,15

Audit Path,Span

Idle Path,Ambient Air

Gas,Bottle,Tol,%Tol

CO (ppm),303.000000,50.000000,3.000000

CO2 (%),5.110000,0.200000,3.000000

O2 (%),20.900000,0.500000,3.000000

HC (ppmC3),0.000000,8.000000,3.000000

NO (ppm),294.700000,15.000000,3.000000

NO2 (ppm),68.000000,12.000000,3.000000

CH4 (ppm),0.000000,0.000000,0.000000

THC (ppmC3),77.820000,6.000000,3.000000

Gas,Bottle,Mean Value,Std Dev,Result

CO(ppm),303.000000,0.100000,0.000000,Not Selected

CO2(%),5.110000,5.170000,0.000000,Passed

O2(%),20.900000,10.000000,0.000000,Not Selected

HC(ppmC3),0.000000,500.000000,0.000000,Not Selected

NO(ppm),294.700000,500.000000,0.000000,Not Selected

NO2(ppm),68.000000,100.000000,0.000000,Not Selected

CH4(ppm),0.000000,0.000000,0.000000,Not Selected

THC(ppmC),77.820000,0.000000,0.000000,Not Selected

Audit

Date,4/17/2017

Time,08:28:51

Audit Duration,30

Idle Duration,15

Audit Path,Span

Idle Path,Ambient Air

Gas,Bottle,Tol,%Tol

CO (ppm),303.000000,50.000000,3.000000

CO2 (%),5.110000,0.200000,3.000000

O2 (%),20.900000,0.500000,3.000000

HC (ppmC3),0.000000,8.000000,3.000000

NO (ppm),294.700000,15.000000,3.000000

NO2 (ppm),68.000000,12.000000,3.000000

CH4 (ppm),0.000000,0.000000,0.000000
THC (ppmC3),77.820000,6.000000,3.000000

Gas,Bottle,Mean Value,Std Dev,Result

CO(ppm),303.000000,0.100000,0.000000,Not Selected
CO2(%),5.110000,0.030000,NaN,Not Selected
O2(%),20.900000,10.000000,0.000000,Not Selected
HC(ppmC3),0.000000,500.000000,0.000000,Not Selected
NO(ppm),294.700000,500.000000,0.000000,Not Selected
NO2(ppm),68.000000,52.680000,0.126491,Failed
CH4(ppm),0.000000,0.000000,0.000000,Not Selected
THC(ppmC),77.820000,0.000000,0.000000,Not Selected

Zero

InfoVer,1

Date,4/17/2017

Time,08:30:53

Purge Delay,30

Gas Path,Zero

Gas,Previous,Current,Difference

NO(ppm),-6.593750,-0.200000,-6.393750
NO2(ppm),-8.800000,0.173333,-8.973333

Audit

Date,4/17/2017

Time,08:32:26

Audit Duration,30

Idle Duration,15

Audit Path,Span

Idle Path,Ambient Air

Gas,Bottle,Tol,%Tol

CO (ppm),303.000000,50.000000,3.000000
CO2 (%),5.110000,0.200000,3.000000
O2 (%),20.900000,0.500000,3.000000
HC (ppmC3),0.000000,8.000000,3.000000
NO (ppm),294.700000,15.000000,3.000000
NO2 (ppm),68.000000,12.000000,3.000000
CH4 (ppm),0.000000,0.000000,0.000000
THC (ppmC3),77.820000,6.000000,3.000000

Gas,Bottle,Mean Value,Std Dev,Result

CO(ppm),303.000000,0.100000,0.000000,Not Selected
CO2(%),5.110000,1.000000,0.000000,Not Selected
O2(%),20.900000,10.000000,0.000000,Not Selected
HC(ppmC3),0.000000,500.000000,0.000000,Not Selected
NO(ppm),294.700000,500.000000,0.000000,Not Selected
NO2(ppm),68.000000,62.366667,0.048795,Passed
CH4(ppm),0.000000,0.000000,0.000000,Not Selected
THC(ppmC),77.820000,0.000000,0.000000,Not Selected

Zero

InfoVer,1

Date,4/17/2017

Time,11:38:28

Purge Delay,30

Gas Path,Zero

Zero

InfoVer,1

Date,4/17/2017

Time,11:38:28

Purge Delay,30

Gas Path,Zero

Gas,Previous,Current,Difference

CO(ppm),46.250000,20.000000,26.250000

CO2(%),0.010000,0.218667,-0.208667

NO(ppm),-10.300000,33.526667,-43.826667

NO2(ppm),5.293750,-3.266667,8.560417

THC(ppmC),-11.000000,-1.400000,-9.600000

Zero

InfoVer,1

Date,4/17/2017

Time,11:42:55

Purge Delay,30

Gas Path,Zero

Gas,Previous,Current,Difference

CO(ppm),20.000000,0.000000,20.000000

CO2(%),0.219375,-0.010000,0.229375

NO(ppm),35.293750,0.000000,35.293750

NO2(ppm),-4.000000,0.046667,-4.046667

THC(ppmC),-0.125000,-0.066667,-0.058333

Zero

InfoVer,1

Date,4/17/2017

Time,11:46:18

Purge Delay,30

Gas Path,Zero

Gas,Previous,Current,Difference

NO(ppm),0.743750,0.000000,0.743750

Span

InfoVer,1

Date,4/17/2017

Time,11:47:57

Purge Delay,30

Gas Path,Span

,CO,CO2,O2,HC,NO,NO2,CH4,THC,LoCO

Bottle Values,1310.000,13.000000,20.900,1992.000,1771.000,255.800,0.000,246.667,0.000

Gas,Previous,Current,Difference

CO(ppm),1300.000000,1300.666667,-0.666667

CO2(%),12.771250,13.007333,-0.236083

NO(ppm),1712.450000,1772.120000,-59.670000

THC(ppmC),244.114583,246.006667,-1.892083

Span

InfoVer,1

Date,4/17/2017

Time,11:50:31

Purge Delay,30

Gas Path,Span

,CO,CO2,O2,HC,NO,NO2,CH4,THC,LoCO

Bottle Values,1310.000,13.000000,20.900,1992.000,1771.000,255.800,0.000,246.667,0.000

Gas,Previous,Current,Difference

NO2(ppm),263.156250,256.420000,6.736250

Zero

InfoVer,1

Date,4/17/2017

Time,11:53:10

Purge Delay,30

Gas Path,Zero

Gas,Previous,Current,Difference

CO(ppm),-27.500000,0.000000,-27.500000

CO2(%),-0.216250,-0.010000,-0.206250

NO(ppm),-28.868750,1.160000,-30.028750

NO2(ppm),-0.800000,0.580000,-1.380000

THC(ppmC),-10.937500,-3.066667,-7.870833

Audit

Date,4/17/2017

Time,11:56:40

Audit Duration,30

Idle Duration,15

Audit Path,Span

Idle Path,Ambient Air

Gas,Bottle,Tol,%Tol

CO (ppm),303.000000,50.000000,3.000000

CO2 (%),5.110000,0.200000,3.000000

O2 (%),20.900000,0.500000,3.000000

HC (ppmC3),0.000000,8.000000,3.000000

NO (ppm),294.700000,15.000000,3.000000

NO2 (ppm),68.000000,12.000000,3.000000

CH4 (ppm),0.000000,0.000000,0.000000

THC (ppmC3),77.820000,6.000000,3.000000

Gas,Bottle,Mean Value,Std Dev,Result

CO(ppm),303.000000,315.333333,5.163978,Passed

CO2(%),5.110000,5.230000,NaN,Passed

O2(%),20.900000,10.000000,0.000000,Not Selected

HC(ppmC3),0.000000,500.000000,0.000000,Not Selected

NO(ppm),294.700000,301.733333,0.163299,Passed

NO2(ppm),68.000000,100.000000,0.000000,Not Selected

CH4(ppm),0.000000,0.000000,0.000000,Not Selected

THC(ppmC),77.820000,75.411111,1.870687,Passed

Audit

Date,4/17/2017

Time,11:58:51

Audit Duration,30

Idle Duration,15

Audit Path,Span

Idle Path,Ambient Air

Gas,Bottle,Tol,%Tol

CO (ppm),303.000000,50.000000,3.000000

CO2 (%),5.110000,0.200000,3.000000

O2 (%),20.900000,0.500000,3.000000

HC (ppmC3),0.000000,8.000000,3.000000

NO (ppm),294.700000,15.000000,3.000000

NO2 (ppm),68.000000,12.000000,3.000000

CH4 (ppm),0.000000,0.000000,0.000000

THC (ppmC3),77.820000,6.000000,3.000000

Gas,Bottle,Mean Value,Std Dev,Result

CO(ppm),303.000000,0.100000,0.000000,Not Selected

CO2(%),5.110000,1.000000,0.000000,Not Selected

O2(%),20.900000,10.000000,0.000000,Not Selected

HC(ppmC3),0.000000,500.000000,0.000000,Not Selected

NO(ppm),294.700000,500.000000,0.000000,Not Selected

NO2(ppm),68.000000,60.653333,0.168466,Passed

CH4(ppm),0.000000,0.000000,0.000000,Not Selected

THC(ppmC),77.820000,0.000000,0.000000,Not Selected

Test Information:

SEMTECH_DATA_FILE,04/17/2017,07:58:14.867,[RELEASE_VER=2.018 BUILD=184 BDATE=03/03/2016
IP=10.10.1.55]

No Information Available

[TIME_ALIGN_OPTIMIZE]